

Abstract

The present invention of a device for instantly pre-heating dies comprises an inductive heating coil disposed between a first die and a second die. The inductive heating coil is a coil body in spiral shape having characteristics of conducting high cycle wave induction heat energy. When the first and the second dies are separated by a mechanical arm, the inductive heating coil is disposed between die surfaces of the first and the second dies, so that high cycle wave induction heat can take effect on a die contact part. Thus the die contact part can be pre-heated instantly. As a result, not only its pre-heating efficiency is enhanced, electric energy can also be saved and at the same time, melted plastic inside the die contact pa